

**CITY OF RIALTO  
2009-2013  
CAPITAL IMPROVEMENT PROGRAM**

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# **Wastewater Capital**

# CITY OF RIALTO

## 2009-2013 CAPITAL IMPROVEMENT PROGRAM

### WASTEWATER CAPITAL

#### Ramrod Lift Station Replacement

**Location:** Senior Ramrod Mobil Home Housing Park - 1010 North Terrace Road

#### Project Background

Various components of Ramrod Lift Station are in need of capital improvement. The lift station is old and in continuous use.

#### Project Scope and Goal

Upgrading the Ramrod Lift Station's electrical components and replacing the wet well structure will improve performance and reduce maintenance costs.

#### Project Justification

The wet well structure is deteriorated to the point that repairing it to the original strength will cost more than the replacement cost.

#### Fiscal Implications

Account # 660-500-7150-3001-080501-00

#### Financial Information

Project Expenditure		-----Five Year Funding-----					Estimated Total Project Cost
		2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Administration		\$31,000					\$31,000
Planning / Design / Engineering							
Right of Way							
Utility Relocation							
Construction		\$171,000					\$171,000
TOTAL		\$202,000					\$202,000

Funding Descriptions	Actual Expenditures through 6/30/2008	Carry Over As Of 7/1/2008	-----Five Year Funding-----					Estimated Total Project Cost
			2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Fund 660 Wastewater	\$0	\$80,000	\$150,000	\$0	\$0	\$0	\$0	\$230,000
TOTAL	\$0	\$80,000	\$150,000	\$0	\$0	\$0	\$0	\$230,000

**CITY OF RIALTO  
2009-2013 CAPITAL IMPROVEMENT PROGRAM  
WASTEWATER CAPITAL**

**Ramrod Lift Station Replacement**

**Photo of Proposed Project**



**Map of Proposed Project**



# CITY OF RIALTO

## 2009-2013 CAPITAL IMPROVEMENT PROGRAM

### WASTEWATER CAPITAL

#### Sewer Collection Lines Repair and Replace

**Location:** Citywide

#### Project Background

Various components of Rialto's wastewater collection system piping are in need of capital improvement. Various parts of the piping is old and in continuous use.

#### Project Scope and Goal

Repair and replace deteriorated sewer collection pipes. It will reduce sewer overflows and comply with Statewide General Waste Discharge Requirement.

#### Project Justification

The new National Pollutant Discharge Elimination System (NPDES) permit for Sanitary Sewer Overflows (SSO's) mandated that infrastructure be of good working condition for reducing/eliminating SSO's.

#### Fiscal Implications

Account # 660-500-7150-3001-080502-00

#### Financial Information

Project Expenditure		-----Five Year Funding-----					Estimated Total Project Cost
		2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Administration							
Planning / Design / Engineering							
Right of Way							
Utility Relocation							
Construction							
TOTAL							

Funding Descriptions	Actual Expenditures through 6/30/2008	Carry Over As Of 7/1/2008	-----Five Year Funding-----					Estimated Total Project Cost
			2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Fund 660 Wastewater	\$0	\$502,893	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	On - Going
TOTAL	\$0	\$503,893	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	On - Going

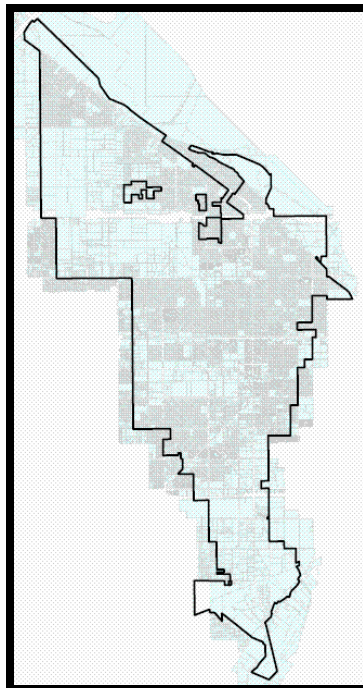
**CITY OF RIALTO  
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WASTEWATER CAPITAL**

**Sewer Collection Lines Repair and Replace**

**Photo of Proposed Project**



**Map of Proposed Project**



**(Citywide)**

# CITY OF RIALTO

## 2009-2013 CAPITAL IMPROVEMENT PROGRAM

### WASTEWATER CAPITAL

#### Sewer Collection Manholes Repair and Replace

**Location:** Citywide

#### **Project Background**

Various components of Rialto's manhole collection system are in need of capital improvement. The system is old and in continuous use.

#### **Project Scope and Goal**

Repair and replace 100 manholes per year which are in deteriorated condition.

#### **Project Justification**

The new National Pollutant Discharge Elimination System (NPDES) permit for Sanitary Sewer Overflows (SSO's) mandated that infrastructure be of good working condition for reducing / eliminating SSO's.

#### **Fiscal Implications**

Account # 660-500-7150-3001-080507-00

#### **Financial Information**

Project Expenditure		-----Five Year Funding-----					Estimated Total Project Cost
		2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Administration							
Planning / Design / Engineering							
Right of Way							
Utility Relocation							
Construction							
TOTAL							

Funding Descriptions	Actual Expenditures through 6/30/2008	Carry Over As Of 7/1/2008	-----Five Year Funding-----					Estimated Total Project Cost
			2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Fund 660 Wastewater	\$0	\$97,953	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	On - Going
TOTAL	\$0	\$97,953	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	On - Going

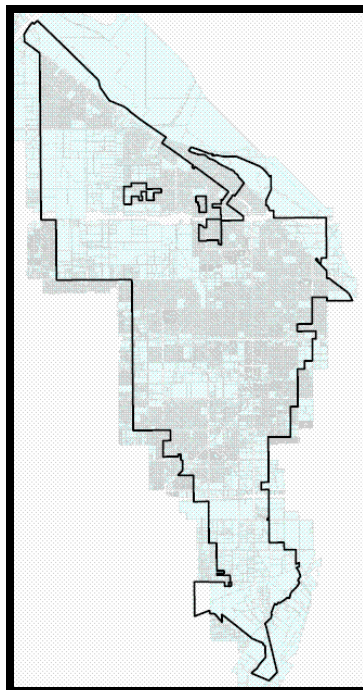
**CITY OF RIALTO  
2009-2013 CAPITAL IMPROVEMENT PROGRAM  
WASTEWATER CAPITAL**

**Sewer Collection Manholes Repair and Replace**

**Photo of Proposed Project**



**Map of Proposed Project**



**(Citywide)**

# CITY OF RIALTO

## 2009-2013 CAPITAL IMPROVEMENT PROGRAM

### WASTEWATER CAPITAL

#### Wastewater Treatment Plant Upgrade (Chevron Energy Solution)

**Location:**        **Wastewater Treatment Plant - 501 East Santa Ana Avenue**

#### **Project Background**

The City has been working with Chevron Energy Solutions, Inc. on the development of a master plan to upgrade the City's wastewater operations.

#### **Project Scope and Goal**

The project is proposed for two phases. The initial phase is underway and it includes 1) the design of the phase II expansion 2) the installation of all components associated with the fuel cell electrical cogeneration system capable of delivering 900 kilowatts of electrical power produced from methane gas, 3) A fats oil and grease receiving station, 4) the upgrade of both existing digesters with high rate mixing systems, and 5) an environmental impact study.

#### **Project Justification**

This project is needed to replace aging equipment and increase reliability, increase treatment capacity to accommodate new development, increase energy independence, and to reduce the facility's operating cost.

#### **Fiscal Implications**

Account # 660-500-7150-2011-070501-00  
Account # 660-500-7851-3011-070501-00

Account # 660-500-7150-3001-070501-00

#### **Financial Information**

Project Expenditure		-----Five Year Funding-----					Estimated Total Project Cost
		2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Administration							
Planning / Design / Engineering							
Right of Way							
Utility Relocation							
Construction							
TOTAL							

Funding Descriptions	Actual Expenditures through 6/30/2008	Carry Over As Of 7/1/2008	-----Five Year Funding-----					Estimated Total Project Cost
			2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Fund 660 Wastewater	\$10,420,054	\$6,000,069		\$35,000,000				\$51,587,759
TOTAL	\$10,420,054	\$6,000,069		\$35,000,000				\$51,587,759



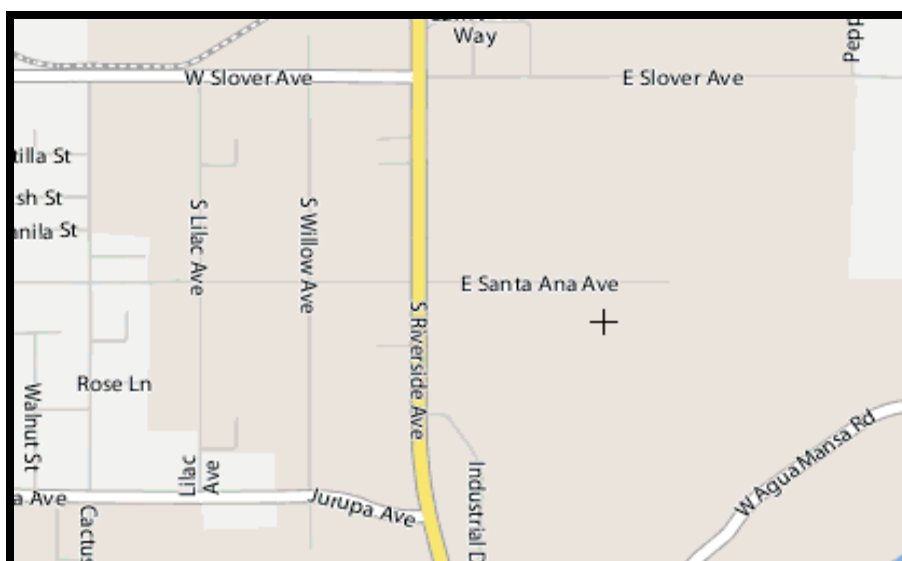
**CITY OF RIALTO  
2009-2013 CAPITAL IMPROVEMENT PROGRAM  
WASTEWATER CAPITAL**

**Wastewater Treatment Plant Upgrade (Chevron Energy Solution)**

**Photo of Proposed Project**



**Map of Proposed Project**



# CITY OF RIALTO

## 2009-2013 CAPITAL IMPROVEMENT PROGRAM

### WASTEWATER CAPITAL

#### Water Master Plan

**Location:**      **Citywide**

#### **Project Background**

There are three components in the City of Rialto Water Master Plan: Recycled Water, Wastewater, and Water:

#### **Project Scope and Goal**

A few of the tasks and goals of the project are:

- Review of proposed land development and the City's General Plan.
- Conduct an engineering feasibility analysis for converting an unused water main that extends several miles up Riverside Avenue.
- Identify potential customers for the recycled water and conduct a market evaluation.
- Develop documents and models that will provide the basis and justification for CIP projects for water, wastewater and recycled water.
- Develop accurate information to form the basis on a rate study and complete a rate analysis report for water, wastewater and recycled water.

#### **Project Justification**

- The use of recycled water directly offsets the demand on the City's already constrained water supply and will provide a needed alternative supply during the peak summer season when it's needed the most.
- The sale of recycled water will generate an additional source of revenue for the City.

#### **Fiscal Implications**

Account # 660-500-7150-2011-080503-00

Account # 670-500-7150-2011-080503-00

#### **Financial Information**

Project Expenditure		-----Five Year Funding-----					Estimated Total Project Cost
		2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Administration							
Planning / Design / Engineering							
Right of Way							
Utility Relocation							
Construction							
TOTAL							

Funding Descriptions	Actual Expenditures through 6/30/2008	Carry Over As Of 7/1/2008	-----Five Year Funding-----					Estimated Total Project Cost
			2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Fund 660 Wastewater	\$0	\$375,000	\$0	\$0	\$0	\$0	\$0	\$375,000
Fund 670 Water	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
TOTAL	\$0	\$575,000	\$0	\$0	\$0	\$0	\$0	\$575,000

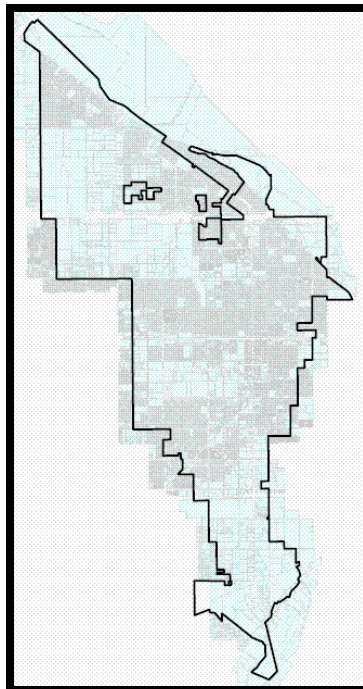
**CITY OF RIALTO  
2009-2013 CAPITAL IMPROVEMENT PROGRAM  
WASTEWATER CAPITAL**

**Water Master Plan**

**Photo of Proposed Project**



**Map of Proposed Project**



**(Citywide)**

# CITY OF RIALTO

## 2009-2013 CAPITAL IMPROVEMENT PROGRAM

### WASTEWATER CAPITAL

#### Alder Sewer

**Location:** Baseline Road to Easton Avenue

#### Project Background

No trunk sewer currently exists on Alder Avenue north of Baseline Road. Significant amounts of developable land exist but the cost of extending sewer to the area make development prohibitively expensive.

#### Project Scope and Goal

This project will install the mainline truck sewer in Alder between Baseline Road and Easton Avenue thereby allowing adjacent land east and west of Alder access to sewer service. This will encourage development of the property, reduce the overall cost of development and result in fewer requests for Redevelopment Agency or City assistance for development projects.

#### Project Justification

The cost for current development of the trunk sewer line will be less today than in the future because the roadway is not fully developed at this time resulting in lower construction costs. This project will act as a development stimulus for the large vacant parcels in this area since all services will be accessible in the area.

#### Fiscal Implications

Account # 660-500-7858-3001-080506-00

#### Financial Information

Project Expenditure		-----Five Year Funding-----					Estimated Total Project Cost
		2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Administration		\$8,000					\$8,000
Planning / Design / Engineering		\$150,000					\$150,000
Right of Way		\$15,000					\$15,000
Utility Relocation		\$50,000					\$50,000
Construction		\$1,077,000					\$1,577,000
TOTAL		\$1,300,000					\$1,300,000

Funding Descriptions	Actual Expenditures through 7/30/2008	Carry Over As Of 7/1/2008	-----Five Year Funding-----					Estimated Total Project Cost
			2008 / 09	2009 / 10	2010 / 11	2011 / 12	2012 / 13	
Fund 660 Wastewater	\$0	\$0	\$1,300,000	\$0	\$0	\$0	\$0	\$1,300,000
TOTAL	\$0	\$0	\$1,300,000	\$0	\$0	\$0	\$0	\$1,300,000

**CITY OF RIALTO  
2009-2013 CAPITAL IMPROVEMENT PROGRAM  
WASTEWATER CAPITAL**

**Alder Sewer**

**Photo of Proposed Project**



**Map of Proposed Project**

